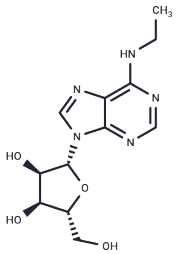
Data Sheet (Cat.No.T12161)

TargetMol
YOUR TARGET MOLECULES

N6-Ethyladenosine

Chemical Properties



CAS No. : 14357-08-5

Formula: C12H17N5O4

Molecular Weight: 295.29

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	N6-Ethyladenosine is an adenosine derivative, acts as an agonist of Adenosine receptor(hA1AR and hA3AR with Kis of 4.9 and 4.7 nM , respectively).
Targets(IC50)	Adenosine Receptor
In vitro	N6-Ethyladenosine exhibits more selectivity at hA1AR and hA3AR over hA2AR with Ki of 8900±770 nM [1].

Solubility Information

Solubility	DMSO: 83.33 mg/mL (282.20 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3865 mL	16.9325 mL	33.865 mL
5 mM	0.6773 mL	3.3865 mL	6.773 mL
10 mM	0.3387 mL	1.6933 mL	3.3865 mL
50 mM	0.0677 mL	0.3387 mL	0.6773 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Kimand SK, et al. Three-dimensional quantitative structure-activity relationship of nucleosides acting at the A3 adenosine receptor: analysis of binding and relative efficacy. J Chem Inf Model. 2007 May-Jun;47(3):1225-33. Epub

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